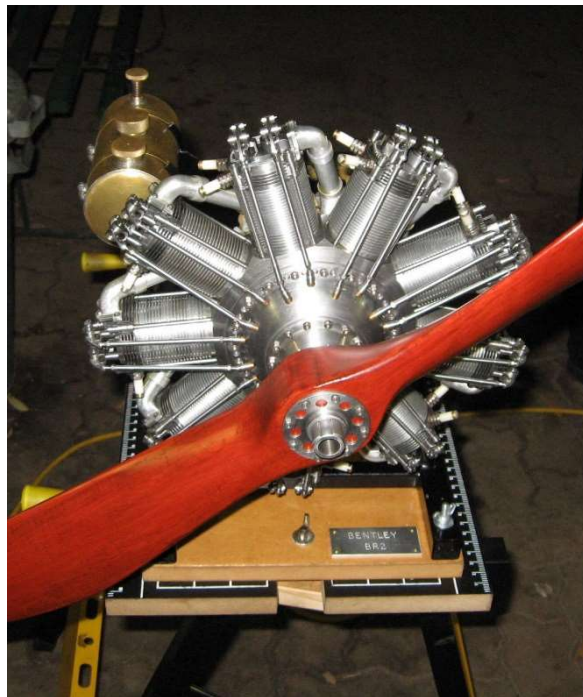


**The Official Journal of
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Model & Experimental Engineers Inc.**



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(This bulletin is issued for information only)

EDITORIAL.

I would like to get a variety of photos for the front page of the Bulletin. So, if you have any, please forward them to me.

This Bulletin has Bill Coles' fully working model of a Bentley BR2 rotary engine. The BR2 was practically the last word in rotary engines, producing 200 hp and powering the Sopwith Snipe towards the end of WW1.

Communication.

It has been a really bumpy ride these last two months. The Covid 19 virus has re-written practically every phase of our daily lives.

Not having regular get togethers at monthly meetings, working bees and public run days has highlighted some difficulties in communicating with everyone. There have been large gaps in our data on member's contact details. In the coming weeks you will get a notification from the Secretary that annual subs are due. Accompanying that there will be a form asking for your current contact details. Fill this in – PLEEZZE!

History

In seven short years, SASMEE will turn one hundred. We have started writing a history, building on work done by previous club members. One resource we have are photos contained in the Dropbox below.

However, many of these photos are simply numbered and have no caption. If you recognise any photos could you let me know? Please provide the photo number and a suitable caption or bit of history.

As well as the various aspects of the hobby being displayed, one thing that does shine through in the photos is how much SASMEE has become part of the community over the years. It has been a cheap family fun day for decades. The value of community goodwill is not to be underestimated and hopefully we can start our run days soon and all have some fun!

PRESIDENT'S REPORT.

Bryan Homann

While Corona virus seems to be waning as a full-time media topic, it is still hurting. Apart from hurting those whose jobs are at risk, smaller organisation such as ours are also vulnerable.

By the time you read this, we will have lost 3 months of patronage.

While there is no a specific seasonal pattern to visitation, it is quite likely that we will have lost at least quarter of our annual revenue.

However, the bills still keep coming in.

One of the "worst" has been the quarterly water and sewer rates, where the sewer cost has gone up by around 600% to close to \$900 per quarter.

The Committee will be challenging this, although we might not be successful, as they believe we were incorrectly classified in the past.

The cost is based on a fixed \$ figure multiplied by the number of toilet seats multiplied by the assessed land value divided by 1000. As the land value is apparently around \$2.85million, the dollar figure becomes significant.

We have had some help though; the AALS has returned the annual membership fee to all clubs, the Unley Council, has reduced our lease costs, Thomas Gas has not charged rental on the propane tank for the boiler, and Commonwealth bank didn't charge EFTPOS fees for three months

During the lock down period, some maintenance functions have been carried out by limited attendances at working bees, and by some members choosing to work alone, or in smaller groups at other times. To those who have worked under these conditions, I say a big thank-you on behalf of the Society. Without that, the Park would probably be looking like a deserted block, and be increasingly attractive to the vandals of the world. Several members have also put in considerable time at home preparing for a re-opening, trawling the government web sites, drafting documentation, and etc.

Now that restrictions are being eased, we were setting in motion some days for members to come together to both check out their models, and to benefit from direct interaction with like-minded members. "Cabin fever" should have been eased somewhat as a result. However, it was

felt necessary at a late moment to postpone doing this due to concerns over liability issues that still had to be resolved.

Additionally, the Committee is also looking at how we can begin to allow some public entry. This will almost certainly have to be pre-booked groups initially. However, there is a vast number of requirements to be considered, and innovative solutions found, if we are going to be able to do this within the regulatory requirements, which, at present are changing frequently. It will depend very heavily on the ability of the general membership to provide the necessary hands on deck. While I hope not, we might even have to conclude that conforming to the requirements outweighs the benefits. Of course, this whole business is very fluid, and what might be possible/impossible today might be quite different in a week or two.

The members' Facebook page has had some successes, providing a platform where members can show what they have been doing to combat the apparently boring business of having to stay at home. It would seem that many workshops are busier than ever. That forum has also enabled questions to be asked about "how do I do". and actually, get useful replies. It could be that its usefulness will outlive the current "crisis"

The legal issue between Mr Brad Cottle and SASMEE has now been resolved with mutual consent in the Magistrates' Court to close the matter.

The Committee has had concerns over the impossibility of meeting some of our Constitutional requirements – mainly to do with the calling of General Meetings, and the AGM. After querying this with Consumer and Business Affairs, we finally got a response allowing a 6-month grace on calling the Annual General Meeting. If restriction easing allows it, we will hold the AGM as soon as possible, given the requirement to advise members in advance. The recent Stage 3 announcements should make this a bit easier.

However, as you will see in some of the included documents in the mail out, the call for Committee nominations is going out as per normal, and the nominations will be held until it is possible to have the AGM. It may be that we can convene at a different premises, as the club room is not

likely to conform with social distancing requirements any time soon. If the meeting were to be held closer to summer, it might be that an open-air meeting could occur in the grounds.



On Wednesday June 10, we were visited by the local state government member Jayne Stinson. She had a tour of the Park, an opportunity to chat with many of the working bee members over a cuppa, and then some specific discussions with the Secretary and myself. Jayne is undertaking to try and assist us with the sewerage charges, and the application we made for state government funding, and about which we have heard nothing (either to our benefit or not). She also provided some suggestions on how to tackle funding opportunities for the elections that are due to occur in the next couple of years, indicating the necessity of getting any submissions into the pipe line as early as possible.

We have just received the following email;
I wasn't sure who to contact but your last founding member John Spry passed away on 11th June, he was 96. The Park was very close to his

heart and he donated a train and engine to it, I just wanted to let you know so you could tell the members, there maybe some who remember him. He lived his last 8 years in Perth with me his daughter,



John is fourth from the left in the photo.

While I recall John (I think we called him Jack), I am short on details. If someone can provide some back ground on him for the next Bulletin, it would be much appreciated. As the above photo shows, he was a member of the land acquisition subcommittee for the SASMEE grounds. This is the land the club has occupied for the last seventy years, so his subcommittee's legacy lives on.

FOR SALE

Reluctant Sale R/C Controlled ST “TOMAR”

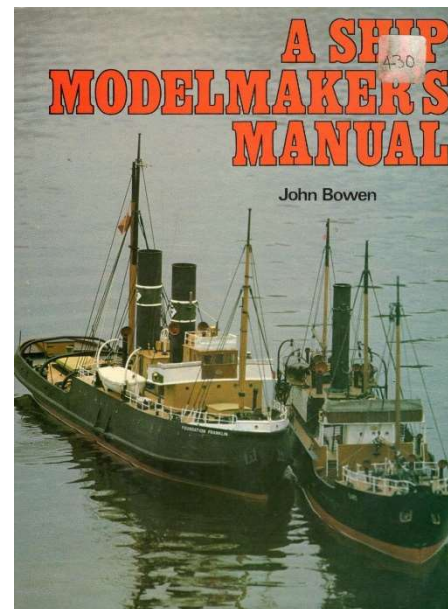
Length 30 inches (770mm) 7.2volt heavy duty long lasting battery driving single screw. Four 1.5volt batteries for accessories. R/C antenna hidden in hull. This F/G hulled tug is powerful, reliable and has made several rescues on lake SASMEE. It boasts a skipper and first mate in the wheelhouse and several crewmen on deck. It looks very impressive running at night with no less than 14 LED's lighting prominent parts of the vessel. The 7.2 battery also powers a smoke unit. The model comes with a carrying cradle and storage case. Includes battery charger and pistol grip controller. In excellent condition and would make a beautiful gift even ideal for running in a swimming pool. Good value at \$515.00 ono.



IN THE LIBRARY

Max Shuard

Book of the Month



A Ship Model Maker's Manual (Cat No 430) concentrates mainly on non-military powered vessels. There is the usual introduction to model ship building but the book's strength is that it is a mine of information regarding the fittings, layouts and fixtures for the types of vessels addressed. These are set out in alphabetical order and cover the majority of the deck fittings, structural features, such as plate and rivet details, and ancillary equipment such as lifeboats. There is a full chapter on types of propulsion for different types of models, including paddlewheels. The book is designed for the modeller and

comes with many plans, diagrams and photographs to illustrate each item being described. Recommended for anyone looking for a likely project, or someone researching details for a ship they are contemplating building.

Communication.

Just a thought: The reason I don't like electrons is that they are always so negative.

TECHNICAL MATTERS

Aluminium Welding - Then and Now

Andrew Chrisophersen

This article is in response to a suggestion by our editor Bill Cole that an occasional article about old cars would be okay for the SASMEE bulletin. As many will know, while I have a model boat, I'm not a really a model engineer - I'm far too busy working on Armstrong Siddeley cars! Part of the fascination in restoring these cars is examining the production methods used.

Recently, I paint stripped the aluminium bonnet of my 1952 Armstrong Siddeley Hurricane in preparation for repair and repainting. Below is a photo. The weld lines indicate to me that this large panel was constructed from 2 pressings welded together. Presumably gas welding was used, as my understanding is that TIG welding was not perfected until 1941 in the USA, just 11 years before my car was made. It would seem unlikely to me that this technology was used in car production in England at that time. Others have suggested that the appearance of the welds is consistent with gas rather than TIG welding. Fast forward nearly 70 years...I discovered several fatigue cracks in the bonnet. I took the bonnet to Cycleweld at Lonsdale where Steve, an expert welder, repaired these cracks using TIG technology - and what a beautiful job. Note the smooth solder like appearance. So, I'm in awe of the skill of both the gas welders who made the bonnet and Steve at Cycleweld!



The Tig weld repair of the fatigue crack

The welds used during manufacture of the bonnet

IN THE WORKSHOP

Rose - Steam Powered Launch

Jeff During

For some time I have wanted to build a steam powered boat. Having looked at various types, I settled on a simple but very elegant steam powered launch. The plans and details were in the March 1986 Model Boats magazine, which I found in the SASMEE library.



Having not made a boat like this before, much studying of the design and article followed. I made a few changes from the prototype, including a timber rather than a canvas canopy and extending the hull length and beam by 12 mm and the depth by 5 mm. Once the hull was complete, I "road tested" it on the boat pond with an electric motor and lead ballast to simulate the final waterline. The results were very encouraging with the boat sailing very smoothly through the water. Next came the engine, burner and boiler. The engine is a Vee twin oscillating engine with a 10mm bore and 15 mm stroke. It has a reverse manifold and an inline displacement lubricator. The engine was bought from JinSteam and suits the boat very well. The boiler is made from 63 mm copper tube with a 19 mm flue. It has silver soldered joints throughout. It has been hydrostatically pressured tested with the SASMEE test rig. The operating pressure is 50 psi.

SASMEE BUSINESS

Notice of Annual General Meeting

This is the formal notification of the AGM to be held on Tuesday, 11 August 2020.

Now, having issued the notice, there are some caveats. We will have to find a suitable venue and it will be subject to any restrictions that are in place at the time. Be assured, the Committee will do all it can to make this happen.

The practical effect that this notification has to members is that nominations for Committee positions need to be with the Secretary by Friday 7th July. This deadline can be changed if there is a significant delay to the AGM.



The burner is a pretty standard methylated spirits burner with 3 wicks. The entire engine and boiler assembly fits within a brass tray to capture any spilt fluids. It is expected that the boat will run for about 20 to 30 minutes with the boiler and burner capacity.



I started the construction just after Christmas, and hope to have it finished by the end of July. A seven-month project, helped no end by the Covid 19 restrictions!

Covid hygiene training online

As part of completing a Covid Safe Plan to enable SASMEE to re-open to the public, all venue staff (i.e. members who are intending to work at a field day), are required by the Plan requirements, to complete an on-line training session. It is supposed to take about 30minutes, and that was in line with my own experience when I did it. Happens to be also required by the Mid Murray Council for my volunteering on the PS Marion – just to go to working days!

This is how to do it:

Open this link <https://www.health.gov.au/resources/apps-and-tools/covid-19-infection-control-training>

Don't be put off by the page wording which implies this is all to do with medicos and old peoples' homes!

Click on the **Register** button. The next screen will ask you to login. As you probably haven't done this, go to the; [If you have not logged on, click here to register](#) line and click on it.

This will then send you to a screen which wants your details. After you have filled in the details, it should send you to a welcome screen. *Note: I believe that there can only be one name per email address, so for multiple members in the same family be aware* On the right-hand side of that page, there is a long list of training courses. Go to the bottom of the list and select;

[Infection Control Training - COVID 19](#)

Course Materials: [Infection Control Training - COVID 19](#)

Click on the **Enrol** button.

You will then end up with what is in effect a Power Point presentation.

On the left side, there is a tool bar that allows you to move to the next page. However, you can't cheat and just go to the end!

On occasions, the pages will have a link to other information. You need to go to the links in order to progress. However, it doesn't seem to require any proof that you have spent time absorbing the information.

One of them is a mildly entertaining YouTube video on alternatives to handshakes (including bum bumping).

There are a lot of pages, but when you get to the end, there is a Q&A bit. These are mostly True/False type answers, and are not very difficult.

I don't know what happens if you get an answer wrong (i.e. do you get a second chance). My guess is that you do, so getting a true /false wrong shouldn't be too hard to rectify.

Once you have got the 150 marks out of a possible 150, you get congratulated and have access to saving and/or printing your "Certificate"

Member Subscriptions

Member subscriptions will be due from 30th June. The Secretary will be posting out notices shortly. Please note you need to be a financial member to vote on SASMEE motions.

In case of financial hardship, due to job loss, please contact the President or Secretary direct to discuss payment options.

Committee Positions

At the AGM there will be a spill and elections for all positions. If you wish to nominate, please have nomination forms in to the Secretary as soon as possible. As stated above, nominations should be in before 7th July for an AGM on the 11th August.

Either email or post to:

Secretary,
South Australian Society of Model and Experimental Engineers,
PO box 208,
Goodwood. SA. 5034.

A nomination form is included below.

Nominations for the **SASMEE** Executive and Committee

2020/2021

Please circle the position nominated for: -

- (1) ---President
- (1) ---Vice President
- (1) ---Secretary
- (1) ---Minute Secretary
- (1) ---Treasurer
- (1) ---Assistant Treasurer
- (1) ---Safety Coordinator
- (3) --- Committee person

I wish to nominate the following person for the position circled: -

Nominee (print name)

Accepted by nominee (sign).....

Proposed by.....

Seconded by.....

Date.....

Nominations are to be lodged with the Secretary by 7th July 2020
PO Box 208, GOODWOOD SA 5034